

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/761, 370 A
Source: IFW16
Date Processed by STIC: 08/16/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/761,370A

TIME: 15:31:25

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\08142006\J761370A.raw

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3 <110> APPLICANT: WALLACH, David
4     KOVALENKO, Andrei
6 <120> TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF RECEPTORS OF THE
TNF/NGF RECEPTOR
7     FAMILY AND OTHER PROTEINS
9 <130> FILE REFERENCE: WALLACH=27A
11 <140> CURRENT APPLICATION NUMBER: 10/761,370A
12 <141> CURRENT FILING DATE: 2004-01-22
14 <150> PRIOR APPLICATION NUMBER: IL 123758
15 <151> PRIOR FILING DATE: 1998-03-19
17 <150> PRIOR APPLICATION NUMBER: PCT/IL99/00158
18 <151> PRIOR FILING DATE: 1999-03-18
20 <150> PRIOR APPLICATION NUMBER: IL 126024
21 <151> PRIOR FILING DATE: 1998-09-01
23 <150> PRIOR APPLICATION NUMBER: US 09/646,403
24 <151> PRIOR FILING DATE: 2001-02-21
26 <160> NUMBER OF SEQ ID NOS: 9
28 <170> SOFTWARE: PatentIn version 3.3
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 2009
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
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38 ttcggagcgc cggggcccta ccagcggtca cagtcgcgag ctcccaccct tctcacgtct      120
40 gacggactct gctgacagcc cttgccctgt tggatgaata ggcacctctg gaagagccaa      180
42 ctgtgtgaga tgggtgcagcc cagtgggtggc ccggcagcag atcaggacgt actgggcgaa      240
44 gagtctcctc tggggaagcc agccatgctg cacctgcctt cagaacaggg cgctcctgag      300
46 accctccagc gctgcctgga ggagaatcaa gagctccgag atgccatccg gcagagcaac      360
48 cagattctgc gggagcgcgt cgaggagctt ctgcatttcc aagccagcca gagggaggag      420
50 aaggagttcc tcatgtgcaa gttccaggag gccaggaaac tgggtggagag actcggcctg      480
52 gagaagctcg atctgaagag gcagaaggag caggctctgc gggagggtgga gcacctgaag      540
54 agatgccagc agcagatggc tgaggacaag gcctctgtga aagcccaggt gacgtccttg      600
56 ctcggggagc tgcaggagag ccagagtcgc ttggaggctg ccactaagga atgccaggct      660
58 ctggaggggtc gggcccgggc ggccagcgag caggcgcggc agctggagag tgagcgcgag      720
60 gcgctgcagc agcagcacag cgtgcagggt gaccagctgc gcatgcaggg ccagagcgtg      780
62 gaggccgcgc tccgcatgga gcgccaggcc gcctcggagg agaagaggaa gctggcccag      840
64 ttgcagggtg cctatcacca gctcttccaa gaatacgaca accacatcaa gagcagcgtg      900
66 gtgggagcgt agcgggaagcg aggaatgcag ctggaagatc tcaaacagca gctccagcag      960
68 gccgaggagg ccctggtggc caaacaggag gtgatcgata agctgaagga ggaggccgag      1020
70 cagcacaaga ttgtgatgga gaccgttccg gtgctgaagg ccaggcgga tatctacaag      1080
72 gcggacttcc aggctgagag gcaggccccg gagaagctgg ccgagaagaa ggagctcctg      1140
74 caggagcagc tggagcagct gcagagggag tacagcaaac tgaaggccag ctgtcaggag      1200
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82 ctgcagatac atgtcatgga gtgcattgag tagggccggc cagtgcagg ccactgcctg 1440
84 ccgaggacgt gcccgggacc gtgcagtctg cgctttctc tcccgctgc ctagcccagg 1500
86 atgaagggtc ggggtggccac aactgggatg ccacctggag cccacccag gagctggccg 1560
88 cggcacctta cgcttcagct gttgattccg ctgggtccct cttttggggt agatcgggcc 1620
90 ccgatcaggc ctgactcgct gctctttttg ttcccttctg tctgctcgaa ccacttgctt 1680
92 cgggctaata cctccctctt cctccaccg gcactgggga agtcaagaat ggggcctggg 1740
94 gctctcaggg agaactgctt cccctggcag agctgggtgg cagctcttcc tcccaccgga 1800
96 caccgaccgc cccgctgctg tgccctggga gtgctgccct cttaccatgc acacgggtgc 1860
98 tctccttttg ggctgcatgc tattccattt tgcagccaga ccgatgtgta ttaaccagt 1920
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102 aaaaaaatcc ttgtgcatta aaaaaaaaaa 2009
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106 <211> LENGTH: 2034
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
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115 tcttcggaat tgccctacat atagtttggc agctagccct tgccctgttg gatgaatagg 180
117 cacctctgga agagccaact gtgtgagatg gtgcagccca gtggtggccc ggcagcagat 240
119 caggacgtac tgggcgaaga gtctcctctg gggaagccag ccatgctgca cctgccttca 300
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123 tgccatccgg cagtagcaac cagattcttg cgggagctgc cgaagggagc tttctgcatt 420
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127 aaactggtgg agagactcgg cctggagaag ctcgatctga agaggcagaa ggagcaggct 540
129 ctgcgggagg tggagcacct gaagagatgc cagcagcaga tggctgagga caaggcctct 600
131 gtgaaagccc aggtgacgtc cttgctcggg gagctgcagg agagccagag tcgcttggag 660
133 gctgccacta aggaatgccg ggctctggag ggtcggggcc gggcgggccag cgagcaggcg 720
135 cggcagctgg agagtgcgc cgaggcgctg cagcagcagc acagcgtgca ggtggaccag 780
137 ctgcgcatgc agggccagag cgtggaggcc gcgtccgca tggagcgcca ggccgctcg 840
139 gaggagaaga ggaagctggc ccagttgcag gtggcctatc accagctctt ccaagaatac 900
141 gacaaccaca tcaagagcag cgtggtgggc agtgagcggg agcgaggaat gcagctggaa 960
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151 aaactgaagg ccagctgtca ggagtgcggc aggatcgagg acatgaggaa gcggcatgtc 1260
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159 cggccagtgc aaggccactg cctgccgagg acgtgcccg gaccgtgcag tctgcgcttt 1500
161 cctctccgc ctgcctagcc caggatgaag ggctgggtgg ccacaactgg gatgccacct 1560
163 ggagccccac ccaggagctg gccgcggcac cttacgctt agctgttgat tccgctggct 1620
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167 tctgtctgct cgaaccactt gcctcgggct aatccctccc tcttctcca cccggcactg 1740
169 gggagtgcaa gaatggggcc tggggctctc agggagaact gcttcccctg gcagagctgg 1800
171 gtggcagctc ttcctccac cggacaccga cccgcccgt gctgtgccct gggagtgtg 1860

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173 ccctcttacc atgcacacgg gtgctctcct tttgggctgc atgctattcc attttgcage 1920
175 cagaccgatg tgtattttaac cagtcactat tgatggacat ttgggttggt tcccatcttt 1980
177 ttgttaccat maatartggc mtagakaaaa atccttgtgc attaaaaaaa aaaa 2034
180 <210> SEQ ID NO: 3
181 <211> LENGTH: 2116
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (691)..(691)
189 <223> OTHER INFORMATION: n is unknown.
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194 cactgaccac cgagaacaga ttccactctt taccattcag tctcaccaag atgccaata 120
196 ccaatggaag tattggccac agtccacttt ctctgtcagc ccagtctgta atggaagagc 180
198 taaacactgc acccgctcaa gagagtcac ccttggccat gcctcctggg aactcacatg 240
200 gtctagaagt gggctcattg gctgaagtta aggagaacct tcctttctat ggggtaatcc 300
202 gttggatcgg tcagccacca ggactgaatg aagtgtctgc tggactggaa ctggaagatg 360
204 agtgtgcagg ctgtacggat ggaaccttca gaggcactcg gtatttcacc tgtgccctga 420
206 agaaggcgct gtttgtgaaa ctgaagagct gcaggcctga ctctagggtt gcattcattgc 480
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210 gaagtagtga agaaaatact ccaccaaaaa tggaaaaaga argcttgagg ataagtattg 600
212 gggaaagaag aaaggcatcc aagggtcatt acaattcttg ktacttagac tcaaccttat 660
W--> 214 tctkgcttat ttkgctttta gttctgttct nggacactgg tgttacttta gaccccaaag 720
216 aaaaagaaac gatgttagaa tattwtwkwg mmaccaaga gctactgagg acagaaattg 780
218 ttaatcctct gagaatatat ggatatgtgt gtgccacaaa aattatgaaa ctgaggaaaa 840
220 tacttgaaaa ggtggaggct gcatcaggat ttacctctga agaaaaagat cctgaggaat 900
222 tcttgaatat tctgtttcat catattttta gggtagaacc tttgctaaaa ataagatcag 960
224 caggtcaaaa ggtacaagat tgttacttct atcaaatttt tatggaaaaa aatgagaaag 1020
226 ttggcggttc cacaattcag cagttgttag aatggctctt tatcaacagt aacctgaaat 1080
228 ttgcagaggc accatcatgt ctgattattc agatgcctcg atttgaaaa gactttaaac 1140
230 tatttaaaaa atttttcctt ctctggaatt agatataaca gatttacttg aagacacccc 1200
232 agacagtgcc ggatatgtgg agggcttgca atgtatgagt gtaagaatgc tacgacgatc 1260
234 cggacaccag ctggaaaaac aagcagtttt gtaaaacctg caacactcaa gtccaccttc 1320
236 atccgaagag gctgaatcat aaatataacc cagtgtcact tcccaaagac ttaccccgac 1380
238 tgggagattg gagacacggc tgcattcctt gccagaatat ggagttatgt gctgttctct 1440
240 gcatagaaac aagccactat gttgcttttg tgaagtatgg gaaggacgat tctgcctggc 1500
242 tcttcttttg acagcatggc cgatccggga tgggtggtcag aatggctcaa cattccccca 1560
244 agtcmcccm tgscccagaag taggagagta cttggaagat gtctcctgga agaccctgsa 1620
246 wtyccttgga ctcccaggag aatcccaagg ctgtgcacga agactgcttt gtgatgccat 1680
248 atatgtgcca tgtaccaga gtccaacaat gagtttgtac aaataactgg gggtcacagg 1740
250 gaaaggcaaa gaaactggaa ggcagagtcc ctaacgttgc atcttattcg gagctggcag 1800
252 ttctgttcac ggtccattgc cggcaatgga tgtctttgtg gtgatgatcc ttcagaaaag 1860
254 gatgcctctg tttaaaaaca aattgctttt gtgtccctga agtatttaaa aagaagcatt 1920
256 ttgactcta gaaagtatgt ttgtgttggt tttttaagaa gtctaaatga agttattaat 1980
258 acctgaagct ttaagttaag tgcattgatc atatgatatt tttggaagca tacaatttta 2040
260 attgtggaag tttaaagcct cttttagtcc attgagaatg taaataaatg tgtcttcttt 2100
262 atggaaaaaa aaaaaa 2116
265 <210> SEQ ID NO: 4

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266 <211> LENGTH: 419
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 4
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273 1 5 10 15
276 Ser Gly Gly Pro Ala Ala Asp Gln Asp Val Leu Gly Glu Glu Ser Pro
277 20 25 30
280 Leu Gly Lys Pro Ala Met Leu His Leu Pro Ser Glu Gln Gly Ala Pro
281 35 40 45
284 Glu Thr Leu Gln Arg Cys Leu Glu Glu Asn Gln Glu Leu Arg Asp Ala
285 50 55 60
288 Ile Arg Gln Ser Asn Gln Ile Leu Arg Glu Arg Cys Glu Glu Leu Leu
289 65 70 75 80
292 His Phe Gln Ala Ser Gln Arg Glu Glu Lys Glu Phe Leu Met Cys Lys
293 85 90 95
296 Phe Gln Glu Ala Arg Lys Leu Val Glu Arg Leu Gly Leu Glu Lys Leu
297 100 105 110
300 Asp Leu Lys Arg Gln Lys Glu Gln Ala Leu Arg Glu Val Glu His Leu
301 115 120 125
304 Lys Arg Cys Gln Gln Gln Met Ala Glu Asp Lys Ala Ser Val Lys Ala
305 130 135 140
308 Gln Val Thr Ser Leu Leu Gly Glu Leu Gln Glu Ser Gln Ser Arg Leu
309 145 150 155 160
312 Glu Ala Ala Thr Lys Glu Cys Gln Ala Leu Glu Gly Arg Ala Arg Ala
313 165 170 175
316 Ala Ser Glu Gln Ala Arg Gln Leu Glu Ser Glu Arg Glu Ala Leu Gln
317 180 185 190
320 Gln Gln His Ser Val Gln Val Asp Gln Leu Arg Met Gln Gly Gln Ser
321 195 200 205
324 Val Glu Ala Ala Leu Arg Met Glu Arg Gln Ala Ala Ser Glu Glu Lys
325 210 215 220
328 Arg Lys Leu Ala Gln Leu Gln Val Ala Tyr His Gln Leu Phe Gln Glu
329 225 230 235 240
332 Tyr Asp Asn His Ile Lys Ser Ser Val Val Gly Ser Glu Arg Lys Arg
333 245 250 255
336 Gly Met Gln Leu Glu Asp Leu Lys Gln Gln Leu Gln Gln Ala Glu Glu
337 260 265 270
340 Ala Leu Val Ala Lys Gln Glu Val Ile Asp Lys Leu Lys Glu Glu Ala
341 275 280 285
344 Glu Gln His Lys Ile Val Met Glu Thr Val Pro Val Leu Lys Ala Gln
345 290 295 300
348 Ala Asp Ile Tyr Lys Ala Asp Phe Gln Ala Glu Arg Gln Ala Arg Glu
349 305 310 315 320
352 Lys Leu Ala Glu Lys Lys Glu Leu Leu Gln Glu Gln Leu Glu Gln Leu
353 325 330 335
356 Gln Arg Glu Tyr Ser Lys Leu Lys Ala Ser Cys Gln Glu Ser Ala Arg
357 340 345 350
360 Ile Glu Asp Met Arg Lys Arg His Val Glu Val Ser Gln Ala Pro Leu

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361          355          360          365
364 Pro Pro Ala Pro Ala Tyr Leu Ser Ser Pro Leu Ala Leu Pro Ser Gln
365          370          375          380
368 Arg Arg Ser Pro Pro Glu Glu Pro Pro Asp Phe Cys Cys Pro Lys Cys
369 385          390          395          400
372 Gln Tyr Gln Ala Pro Asp Met Asp Thr Leu Gln Ile His Val Met Glu
373          405          410          415
376 Cys Ile Glu
380 <210> SEQ ID NO: 5
381 <211> LENGTH: 412
382 <212> TYPE: PRT
383 <213> ORGANISM: Mouse
385 <400> SEQUENCE: 5
387 Met Asn Lys His Pro Trp Lys Asn Gln Leu Ser Glu Thr Val Gln Glu
388 1          5          10          15
391 Ser Gly Gly Pro Ala Glu Asp Gln Asp Met Leu Gly Glu Glu Ser Ser
392          20          25          30
395 Leu Gly Lys Pro Ala Met Leu His Leu Pro Ser Glu Gln Gly Thr Pro
396          35          40          45
399 Glu Thr Leu Gln Arg Cys Leu Glu Glu Met Gln Glu Leu Arg Asp Ala
400          50          55          60
403 Ile Arg Gln Ser Asn Gln Met Leu Arg Glu Arg Cys Glu Glu Leu Leu
404 65          70          75          80
407 His Phe Gln Val Ser Gln Arg Trp Lys Glu Phe Leu Met Cys Lys Phe
408          85          90          95
411 Gln Glu Ala Arg Lys Leu Val Glu Arg Leu Ser Leu Glu Lys Leu Glu
412          100          105          110
415 Lys Leu Asp Leu Arg Ser Gln Arg Glu Gln Ala Leu Lys Glu Leu Glu
416          115          120          125
419 Gln Leu Lys Lys Cys Gln Gln Gln Met Ala Glu Asp Lys Ala Ser Val
420          130          135          140
423 Lys Ala Gln Val Thr Ser Leu Leu Gly Glu Leu Gln Glu Ser Gln Ser
424 145          150          155          160
427 Arg Leu Glu Ala Ala Thr Lys Asp Arg Gln Ala Leu Glu Gly Arg Ile
428          165          170          175
431 Arg Ala Val Ser Glu Gln Val Arg Gln Leu Glu Ser Glu Arg Glu Val
432          180          185          190
435 Leu Gln Gln Gln His Ser Val Gln Val Asp Gln Leu Arg Met Gln Asn
436          195          200          205
439 Gln Ser Val Glu Ala Ala Leu Arg Met Glu Arg Gln Ala Ala Ser Glu
440          210          215          220
443 Glu Lys Arg Lys Leu Ala Gln Leu Gln Ala Ala Tyr His Gln Leu Phe
444 225          230          235          240
447 Gln Asp Tyr Asp Ser His Ile Lys Ser Ser Lys Gly Met Gln Leu Glu
448          245          250          255
451 Asp Leu Arg Gln Gln Leu Gln Gln Ala Glu Glu Ala Leu Val Ala Lys
452          260          265          270
455 Gln Glu Leu Ile Asp Lys Leu Lys Glu Glu Ala Glu Gln His Lys Ile
456          275          280          285

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/761,370A

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Input Set : A:\sequence listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 691

VERIFICATION SUMMARY

DATE: 08/16/2006

PATENT APPLICATION: US/10/761,370A

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Input Set : A:\sequence listing.txt

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L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:660